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# HIGHER EDUCATION IN ONTARIO

Some Vital Statistics



Ministry of  
Colleges and  
Universities



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Government  
Publications

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\*The data in this publication were collected in September, 1989.

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## Colleges of Applied Arts and Technology

- Algonquin (*Ottawa*)
- Cambrian (*Sudbury*)
- Canadore (*North Bay*)
- Centennial (*Scarborough*)
- Conestoga (*Kitchener*)
- Confederation (*Thunder Bay*)
- Durham (*Oshawa*)
- Fanshawe (*London*)
- George Brown (*Toronto*)
- Georgian (*Barrie*)
- Humber (*Toronto*)
- Lambton (*Sarnia*)
- La Cité collégiale (*Ottawa*)\*
- Loyalist (*Belleville*)
- Mohawk (*Hamilton*)
- Niagara (*Welland*)
- Northern (*South Porcupine*)
- St.Clair (*Windsor*)
- St. Lawrence/Saint-Laurent (*Brockville*)
- Sault (*Sault Ste. Marie*)
- Seneca (*Toronto*)
- Sheridan (*Oakville*)
- Sir Sandford Fleming (*Peterborough*)

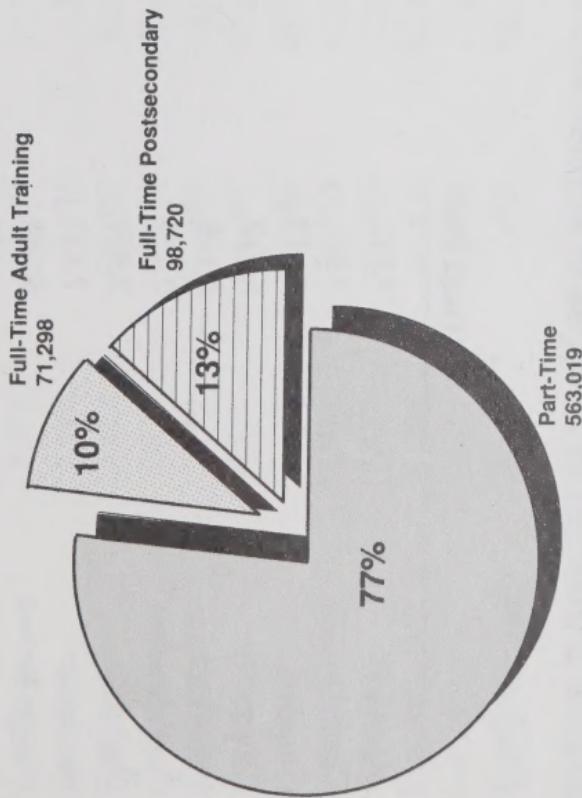
\*La Cité collégiale (Ottawa) is expected to open in  
September 1990.

## **Legislative Base and Governmental Structure of the Colleges**

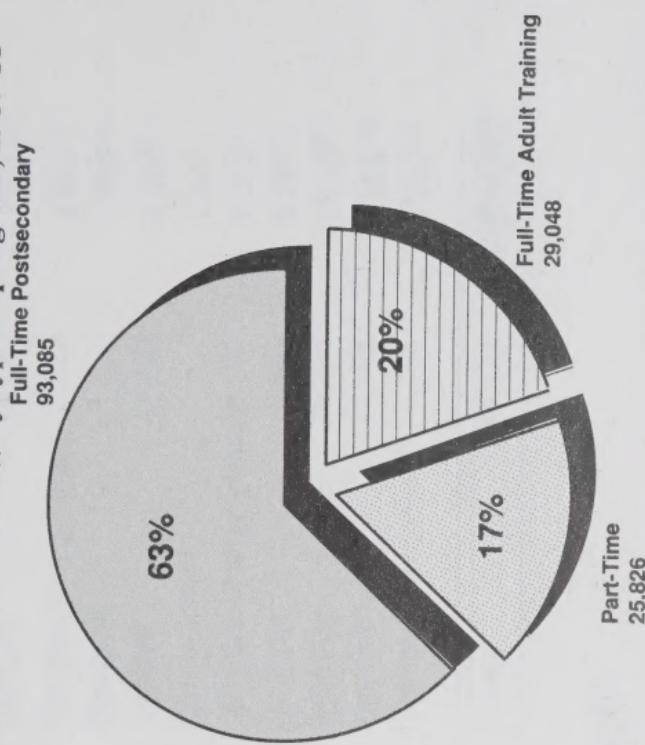
The current legislative structure supporting the Ontario college system is intended to provide a balance between local initiative in responding to community needs and central co-ordination of the system province-wide. The Ministry of Colleges and Universities Act and accompanying regulations, particularly Regulation 640 as amended, are the primary legislative documents defining the scope and role of the participants comprising the college system. The Act provides that the Minister of Colleges and Universities has the power to "establish, name, maintain, conduct and govern" the colleges subject to the approval of the Lieutenant Governor-in-Council. Besides defining the role of the Minister, the Act provides for the establishment of the Council of Regents, college boards of governors, and program advisory committees.

## Enrolment at Colleges of Applied Arts and Technology

Distribution of individuals by type of program, 1987-88



Distribution of the volume of training provided (full-time equivalent enrolment), by type of program, 1987-88



Part-time students represented over three-quarters of the individuals served by the college system in 1987-88. The training provided to part-time students, however, accounted for only 17 per cent of total training.

## Full-Time Enrollment in Colleges of Applied Arts and Technology

Fall Term 1988

	Total 1988	Total 1988
Algonquin	9,813	7,397
Cambrian	3,843	3,552
Canadore	2,617	1,640
Centennial	6,412	4,166
Conestoga	4,162	4,717
Confederation	2,929	1,975
Durham	2,941	9,864
Fanshawe	7,137	7,049
George Brown	8,995	3,881
Georgian	4,201	
Humber	9,164	
Lambton	1,778	
Loyalist	2,485	
<b>Total 1988</b>	<b>110,718</b>	

## Part-Time Registrations in Colleges of Applied Arts and Technology, 1988\*

	Postsecondary	Non-Postsecondary	Total	Postsecondary	Non-Postsecondary	Total
Algonquin	25,281	45,893	71,174	Mohawk	16,654	39,881
Cambrian	3,996	16,374	20,370	Niagara	7,825	23,875
Canadore	1,471	7,415	8,886	Northern	1,755	6,390
Centennial	13,152	26,008	39,160	St. Clair	13,360	30,213
Conestoga	2,439	34,179	36,618	St. Lawrence/		
Confederation	5,119	11,670	16,789	Saint-Laurent	14,446	9,331
Durham	4,557	16,701	21,258	Sault	5,405	4,201
Fanshawe	4,155	43,858	48,013	Seneca	26,292	57,387
George Brown	10,913	50,738	61,651	Sheridan	27,895	43,298
Georgian	4,457	21,309	25,766	Sir Sandford Fleming	4,385	11,266
Humber	18,375	60,801	79,176			15,651
Lambton	2,700	8,411	11,111			
Loyalist	3,117	7,425	10,542			
<b>Totals</b>			<b>217,749</b>		<b>576,624</b>	<b>794,373</b>

\*Represents cumulative course registrations for the calendar year 1988.

## Full-Time Postsecondary College Graduates by Division, 1987-88

	Technology	Business	Arts	Health	Total	Technology	Business	Arts	Health	Total	
Algonquin	412	687	728	469	2,296	Mohawk	414	440	301	415	1,570
Cambrian	136	203	271	162	772	Niagara	160	252	267	204	883
Canadore	147	303	82	123	655	Northern	89	145	70	62	366
Centennial	340	530	313	176	1,359	St. Clair	254	346	225	428	1,253
Conestoga	235	288	203	185	911	St. Lawrence/					
Confederation	166	250	245	126	787	Saint-Laurent	114	360	253	202	929
Durham	145	338	197	203	883	Sault	156	50	54	16	276
Fanshawe	373	594	424	492	1,883	Seneca	355	1046	576	277	2,254
George Brown	317	519	725	609	2,170	Sheridan	158	602	895	113	1,768
Georgian	190	467	392	255	1,304	Sir Sandford					
Humber	341	640	687	425	2,093	Fleming	501	303	181	52	1,037
Lambton	53	88	101	16	258						
Loyalist	97	185	335	104	721						
<b>Total</b>	<b>5,153</b>	<b>8,636</b>	<b>7,525</b>	<b>5,114</b>	<b>26,428</b>						

## Full-Time Staff in Colleges of Applied Arts and Technology

	Fall 1988	Academic Staff	Admin. Staff	Support Staff	Total	Academic Staff	Admin. Staff	Support Staff	Total	
Algonquin	720	127	517	1,364		Mohawk	577	180	340	1,097
Cambrian	366	82	222	670		Niagara	277	81	184	542
Canadore	192	43	171	406		Northern	165	55	156	376
Centennial	490	128	310	928		St. Clair	329	68	238	635
Conestoga	359	75	241	675		St. Lawrence/				
Confederation	246	102	226	574		Saint-Laurent	338	77	261	676
Durham	222	60	133	415		Sault	190	59	153	402
Fanshawe	565	102	404	1,071		Seneca	669	164	561	1,394
George Brown	732	94	508	1,334		Sheridan	421	133	371	925
Georgian	308	124	183	615		Sir Sandford				
Humber	636	141	563	1,340		Fleming	289	60	165	514
Lambton	128	39	94	261						
Loyalist	195	39	133	367						
<b>Total</b>					<b>8,414</b>	<b>2,033</b>	<b>6,134</b>	<b>16,581</b>		

## General and Specific Purpose Operating Grants

The Government of Ontario annually allocates a fixed amount of money as operating support for colleges of applied arts and technology. Specific-purpose grants (e.g., funds for instructional equipment purchases and premise rentals, grants for French-language programming, termination gratuities, etc.) are determined and taken “off the top” of the total operating grant available. The remainder (approximately 92% of the operating support available) is distributed among the colleges through the funding distribution mechanism.

adjusted to reflect geographic allowances, population density, and economy of scale factors. Concurrent, high priority funding is made available to colleges in those exceptional cases in which the government specifically requests a college to introduce a new program or expand an existing one.

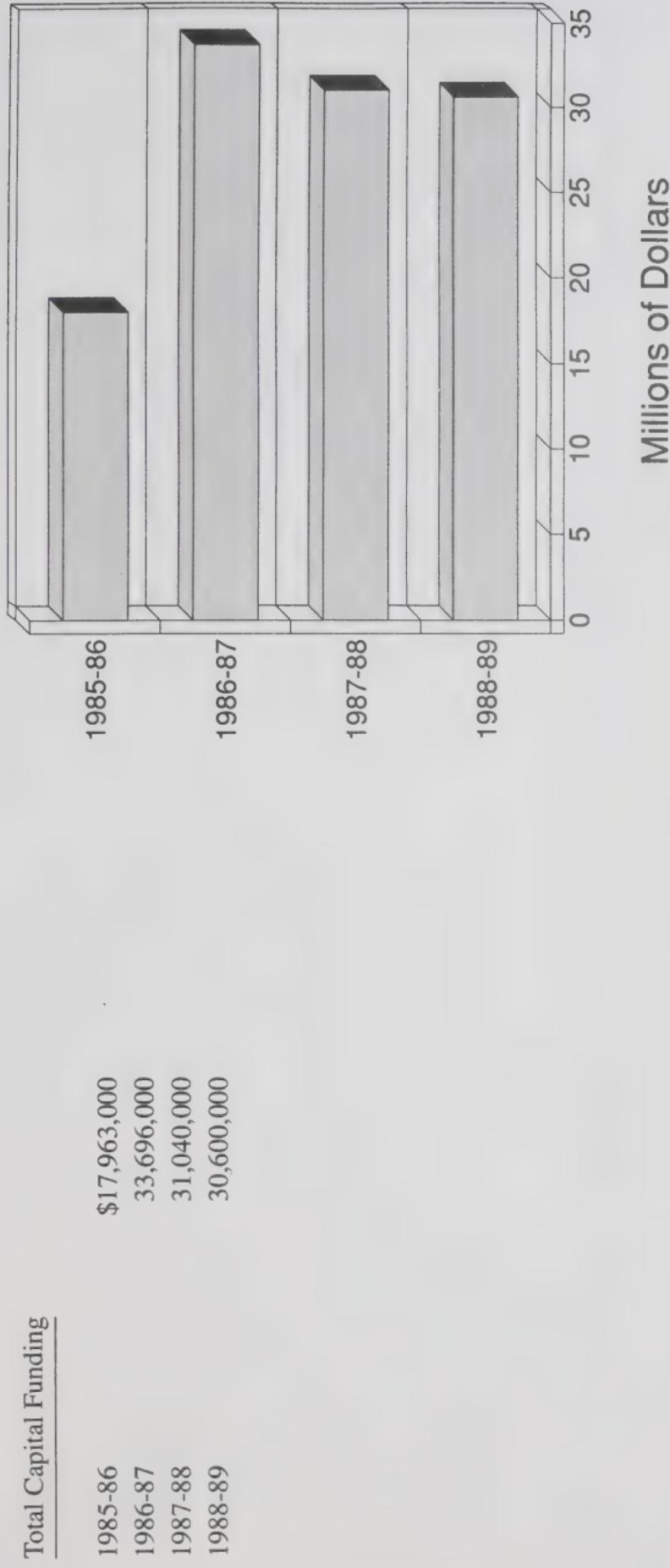
With the exception of high priority funding, the funding distribution mechanism uses a simple average of activity in the two most recent years to determine the distribution of this operating grant. Activity is measured in terms of “Funding Units”; a funding unit is defined as “the instructional activity associated with a full-time student in a normal program for one (two-semester) academic year”. Colleges’ shares are then

## Total Operating Grants to Colleges of Applied Arts and Technology, 1988-89

	Total \$	Total \$
Algonquin	61,508,645	
Cambrian	24,488,731	
Canadore	16,257,790	
Centennial	40,688,817	
Conestoga	24,916,093	
Confederation	18,709,993	
Durham	15,530,923	
Fanshawe	40,060,626	
George Brown	51,189,418	
Georgian	23,707,408	
Humber	53,222,731	
Lambton	9,898,826	
Loyalist	14,145,167	
<b>Mohawk</b>	<b>44,735,337</b>	
<b>Niagara</b>	<b>20,671,981</b>	
<b>Northern</b>	<b>13,227,381</b>	
<b>St.Clair</b>	<b>23,273,379</b>	
<b>St.Lawrence/</b>	<b>29,128,058</b>	
<b>Saint-Laurent</b>	<b>14,060,535</b>	
<b>Sault</b>	<b>60,401,865</b>	
<b>Seneca</b>	<b>39,506,531</b>	
<b>Sheridan</b>	<b>20,798,566</b>	
<b>Sir Sandford Fleming</b>		
<b>Total</b>		<b>660,128,801</b>

## Total Provincial Capital Funding to Colleges of Applied Arts and Technology, 1985-86 to 1988-89

## Total Provincial Capital Funding to Colleges of Applied Arts and Technology, 1985-86 to 1988-89 (cont'd.)



## Institutions in Ontario's University System that Receive Funding Directly from the Province

- Brock University (*St. Catharines*)
- Carleton University (*Ottawa*)
- Collège dominicain (*Ottawa*)
- University of Guelph (*Guelph*)
- Lakehead University (*Thunder Bay*)
- Laurentian University (*Sudbury*)
  - Algoma College (*Sault Ste. Marie*)
  - Collège de Hearst (*Hearst*)
  - Nipissing College (*North Bay*)
- McMaster University (*Hamilton*)
- Ontario College of Art (*Toronto*)
- University of Ottawa (*Ottawa*)
- Queen's University (*Kingston*)
- Ryerson Polytechnical Institute (*Toronto*)
- University of Toronto (*Toronto*)
- Ontario Institute for Studies in Education (*Toronto*)
- Trent University (*Peterborough*)
- University of Waterloo (*Waterloo*)
- University of Western Ontario (*London*)
- Wilfrid Laurier University (*Waterloo*)
- University of Windsor (*Windsor*)
- York University (*Toronto*)

## Legislative Base and Governmental Structure of Universities in Ontario

Each provincially-assisted university operates under its own Act of the Legislature, and is autonomous with respect to academic policies, administration of programs, appointment of staff, and admissions.

A two-tier or bicameral system of governance is in effect at all but one university in Ontario. Once an institution is legally chartered, its corporate powers are vested in a governing body, generally known as the board of governors. Responsibility for all academic matters as a rule is assigned to the senate.

The university chancellor is the titular head of the institution. He or she may be elected, appointed or serve in the post in an *ex-officio* capacity, depending on the university charter. The post is honorary. Executive authority is vested in the office of president, rector or principal.

## Enrolment in Ontario's University System (Undergraduate)

### Full-Time Undergraduate Students – Fall 1988

	Male	Female	Total	
Brock University	2,304	2,714	5,018	
Carleton University	6,549	5,246	11,795	
University of Guelph	4,493	5,682	10,175	
Lakehead University	1,926	1,670	3,596	
Laurentian University	2,090	2,792	4,882	
McMaster University	5,204	5,409	10,613	
University of Ottawa	5,842	6,958	12,800	
Queen's University	4,994	5,524	10,518	
University of Toronto	15,126	15,885	31,011	
Trent University	1,324	2,095	3,419	
University of Waterloo	9,072	5,988	15,060	

### Part-Time Undergraduate Students – Fall 1988

	Male	Female	Total	
Brock University	1,324	2,738	4,062	
Carleton University	1,915	2,511	4,426	
University of Guelph	724	1,073	1,797	
Lakehead University	575	1,387	1,962	
Laurentian University	1,050	3,055	4,105	
McMaster University	1,043	2,186	3,229	
University of Ottawa	2,397	4,959	7,356	
Queen's University	1,129	2,368	3,497	
University of Toronto	4,471	7,658	12,129	
Trent University	463	1,020	1,483	
University of Waterloo	2,213	4,202	6,415	

(cont'd. on page 15)

#### Note:

1. Enrolments are headcounts for the fall term.
2. Source: The combined University Student Information System/University Awards Report System (USIS/UAR).
3. Students attending Algoma, Hearst, and Nipissing, but registered at Laurentian, are included in Laurentian's enrolment.
4. OISE students are included in the University of Toronto's enrolment.

## Enrolment in Ontario's University System (Undergraduate) (cont'd.)

## Full-Time Undergraduate Students – Fall 1988

## Part-Time Undergraduate Students – Fall 1988

	Male	Female	Total	Male	Female	Total
University of Western Ontario	9,717	9,972	19,689	1,744	4,136	5,880
University of Windsor	4,394	4,058	8,452	1,521	3,205	4,726
Wilfrid Laurier University	2,444	2,405	4,849	1,068	1,458	2,526
York University	8,451	10,835	19,286	4,764	9,736	14,500
Collège dominicain Ryerson Polytechnical Institute	33	10	43	31	129	160
Ontario College of Art	4,218	4,532	8,750	4,231	6,393	10,624
	624	658	1,282	642	1,209	1,851
<b>Total</b>	<b>88,805</b>	<b>92,433</b>	<b>181,238</b>	<b>31,305</b>	<b>59,423</b>	<b>90,728</b>

## Enrolment in Ontario's University System (Graduate)

	Full-Time Graduate Students - Fall 1988			Part-Time Graduate Students - Fall 1988		
	Male	Female	Total	Male	Female	Total
Brock University	41	36	77	240	377	617
Carleton University	697	514	1,211	646	475	1,121
University of Guelph	728	436	1,164	114	119	233
Lakehead University	78	52	130	68	75	143
Laurentian University	37	39	76	67	44	111
McMaster University	928	473	1,401	487	300	787
University of Ottawa	889	731	1,620	929	987	1,916
Queen's University	1,177	641	1,818	295	242	537
University of Toronto	3,155	2,889	6,044	1,552	1,926	3,478
Trent University	48	24	72	3	4	7
University of Waterloo	997	442	1,439	292	110	402
University of Western Ontario	1,166	747	1,913	286	381	667
University of Windsor	364	214	578	148	130	278
York University	951	791	1,742	840	631	1,471
Wilfrid Laurier University	158	217	375	191	135	326
Collège dominicain	15	1	16	11	-	11
<b>Total</b>	<b>6,169</b>	<b>5,936</b>	<b>12,105</b>	<b>11,429</b>	<b>8,247</b>	<b>19,676</b>

Note: 1. Enrolments are headcounts for the fall term.

2. Source: USIS/UAR

3. OISE students are included in the University of Toronto's enrolment.

## Degrees Granted by Ontario Universities in 1987

### Degree Type: Bachelor/1st Professional

	Agricultural/ Biological Sciences	Education/ Recreational/ Phys. Ed.	Engineering/ Applied Sciences	Fine & Applied Arts	Health Professions Occupations	Humanities and Related	Mathematics/ Physical Sciences	Social Sciences and Related	Other Not Reported	Total
Brock University	61	486	—	39	—	149	106	729	—	1,570
Carleton University	53	—	221	46	—	515	181	1,154	16	2,186
University of Guelph	855	65	85	86	—	135	151	683	17	2,077
Lakehead University	18	204	131	6	67	57	41	318	102	944
Laurentian University	20	222	8	4	65	136	51	432	14	952
Algoma College	—	—	—	2	—	11	4	43	—	60
Nipissing College	—	290	—	—	—	29	—	64	—	383
Collège de Hearst	—	21	—	—	—	—	4	—	7	—
McMaster University	160	138	237	58	258	397	259	996	45	2,548
University of Ottawa	116	565	198	109	204	516	153	1,422	87	3,370
Queen's University	218	684	370	107	183	339	189	950	57	3,097
University of Toronto	3	977	682	72	677	165	6	518	4,161	7,261
OISE	—	1	—	—	—	—	—	—	1	—
Trent University	84	—	—	26	—	321	70	498	21	1,020
University of Waterloo	128	272	729	54	59	243	852	786	323	3,446

(cont'd.)

## Degree Type: Bachelor/1st Professional (cont'd.)

	Agricultural/ Biological Sciences	Education/ Recreational/ Phys. Ed.	Engineering/ Applied Sciences	Fine & Applied Arts	Health Professions Occupations	Humanities and Related	Mathematics/ Physical Sciences	Social Sciences and Related	Other Not Reported	Total
University of Western Ontario	347	832	160	76	387	647	373	1,845	288	4,955
University of Windsor	100	363	110	84	102	251	180	1,011	2	2,203
York University	50	547	—	249	1	780	492	2,869	79	5,067
Wilfrid Laurier University	17	18	—	49	—	192	43	795	—	1,114
Collège dominicain	—	—	—	—	—	18	—	—	—	18
Ryerson Polytechnical Institute	54	60	276	168	65	200	44	357	4	1,228
<b>Total</b>	<b>2,284</b>	<b>5,745</b>	<b>3,207</b>	<b>1,235</b>	<b>2,068</b>	<b>5,105</b>	<b>3,195</b>	<b>15,477</b>	<b>5,216</b>	<b>43,532</b>

Source: Statistics Canada USIS-GRADUATING system

Note: Graduates of Algoma, Nipissing, and Hearst colleges receive degrees from Laurentian University and OISE graduates receive degrees from the University of Toronto.

## Degrees Granted by Ontario Universities in 1987

### Degree Type: Master's

	Agricultural/ Biological Sciences	Education/ Recreational/ Phys. Ed.	Engineering/ Applied Sciences	Fine & Applied Arts	Health Professions Occupations	Humanities and Related	Mathematics/ Physical Sciences	Social Sciences and Related	Other Not Reported	Total
Brock University	4	114	—	—	1	1	7	6	—	133
Carleton University	7	—	53	—	45	32	299	—	436	—
University of Guelph	100	15	21	—	23	22	74	—	255	—
Lakehead University	3	23	5	—	1	6	21	—	59	—
Laurentian University	3	9	—	—	1	1	7	25	—	45
McMaster University	2	18	38	1	74	50	42	193	—	418
University of Ottawa	14	190	27	—	6	131	31	235	—	634
Queen's University	28	47	68	11	28	59	61	271	—	573
University of Toronto	58	86	190	31	174	329	90	569	—	1,527
OISE	—	471	—	—	—	—	—	—	471	—
Trent University	7	—	—	—	—	—	1	3	—	11
University of Waterloo	20	24	104	—	2	49	96	93	—	388
University of Western Ontario	16	63	20	10	82	268	42	287	—	788
University of Windsor	6	61	19	1	—	32	11	98	—	228
York University	13	22	—	17	—	40	17	540	12	661
Wilfrid Laurier University	—	—	—	—	—	28	—	153	—	181
Collège dominicain	—	—	—	—	—	6	—	—	—	6
<b>Total</b>	<b>281</b>	<b>1,143</b>	<b>545</b>	<b>71</b>	<b>367</b>	<b>1,063</b>	<b>465</b>	<b>2,867</b>	<b>12</b>	<b>6,814</b>

Source: Statistics Canada USIS-GRADUATING System  
 Note: Graduates of OISE receive degrees from the University of Toronto.

## Degrees Granted by Ontario Universities in 1987

### Degree Type: Doctoral

	Agricultural/ Biological Sciences	Education/ Recreational/ Phys. Ed.	Engineering/ Applied Sciences	Fine & Applied Arts	Health Professions Occupations	Humanities and Related	Mathematics/ Physical Sciences	Social Sciences and Related	Other Not Reported	Total
Carleton University	5	—	7	—	—	—	13	17	—	42
University of Guelph	55	—	—	—	—	1	8	3	—	67
McMaster University	6	—	15	—	12	15	24	17	—	89
University of Ottawa	7	6	10	—	4	19	12	18	—	76
Queen's University	19	—	13	—	4	14	21	25	—	96
University of Toronto	22	25	47	7	35	67	67	52	—	322
OISE	—	70	—	—	—	—	—	—	—	70
University of Waterloo	8	9	25	—	—	6	39	23	—	110
University of Western Ontario	13	—	9	—	22	15	20	32	—	111
University of Windsor	4	—	5	—	—	—	4	14	—	27
York University	3	—	—	—	—	12	4	38	4	61
<b>Total</b>	<b>142</b>	<b>110</b>	<b>131</b>	<b>7</b>	<b>77</b>	<b>149</b>	<b>212</b>	<b>239</b>	<b>4</b>	<b>1,071</b>

Source: Statistics Canada USIS-GRADUATING System  
 Note: Graduates of OISE receive degrees from the University of Toronto.

## Total Degrees Granted by Ontario Universities in 1987

	Agricultural/ Biological Sciences	Education/ Recreational/ Phys. Ed.	Engineering/ Applied Sciences	Fine & Applied Arts	Health Professions Occupations	Humanities and Related	Mathematics/ Physical Sciences	Social Sciences and Related	Other Not Reported	Total
Brock University	65	600	—	39	1	150	113	735	—	1,703
Carleton University	65	—	281	46	—	560	226	1,470	16	2,664
University of Guelph	1,010	80	106	86	—	159	181	760	17	2,399
Lakehead University	21	227	136	6	67	58	47	339	102	1,003
Laurentian University	23	231	8	4	65	137	58	457	14	997
Algoma College	—	—	—	2	—	11	4	43	—	60
Nipissing College	—	290	—	—	—	29	—	64	—	383
Collège de Hearst	—	21	—	—	—	4	—	7	—	32
McMaster University	168	156	290	59	344	462	325	1,206	45	3,055
University of Ottawa	137	761	235	109	214	666	196	1,675	87	4,080
Queen's University	265	731	451	118	215	412	271	1,246	57	3,766
University of Toronto	83	1,088	919	110	886	561	163	1,139	4,161	9,110
OISE	—	542	—	—	—	—	—	—	—	542
Trent University	91	—	—	26	—	321	71	501	21	1,031
University of Waterloo	156	305	858	54	61	298	987	902	323	3,944
University of Western Ontario	376	895	189	86	491	930	435	2,164	288	5,854
University of Windsor	110	424	134	85	102	283	195	1,123	2	2,458
York University	66	569	—	266	1	832	513	3,447	95	5,789
Wilfrid Laurier University	17	18	—	49	—	220	43	948	—	1,295
College dominicain Ryerson Polytechnical Institute	—	60	—	276	168	65	24	—	—	24
<b>Total</b>	<b>2,707</b>	<b>6,998</b>	<b>3,883</b>	<b>1,313</b>	<b>2,512</b>	<b>6,317</b>	<b>3,872</b>	<b>18,584</b>	<b>5,232</b>	<b>51,418</b>

Source: Statistics Canada USIS-GRADUATING System  
 Note: Graduates of Algoma, Nipissing, and Hearst colleges receive degrees from Laurentian University and OISE graduates receive degrees from the University of Toronto.

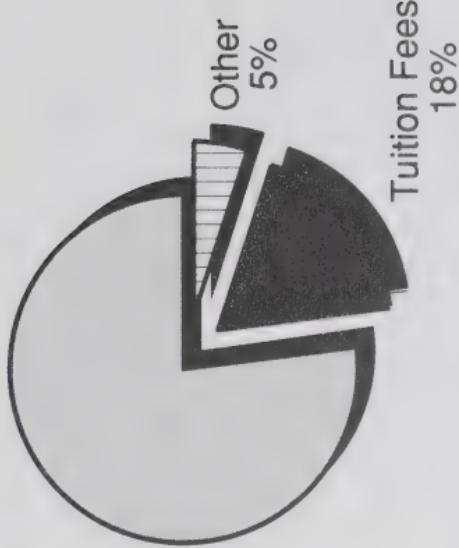
## Full-Time Academic Staff at Ontario Universities and Other Related Postsecondary Institutions, 1987-88

Brock University	304	Trent University	202
Carleton University	685	University of Waterloo	882
Guelph University	749	University of Western Ontario	1,593
Lakehead University	248	Wilfrid Laurier University	265
Laurentian University	296	University of Windsor	521
• Algoma	29	York University	1,098
• Nipissing	47	OISE	147
• Hearst	13	Ontario College of Art	55
McMaster University	1,004	Collège dominicain	23
University of Ottawa	1,113	Ryerson Polytechnical Institute	681
Queen's University	1,031		
University of Toronto	2,674		
		<b>Total</b>	<b>13,660</b>

## Funding of Ontario's University System

The province of Ontario provides Ontario universities and related institutions with both operating and capital grants. Over 77 per cent of university operating revenue is provided by the Ontario government, about 18 per cent is obtained from tuition fees, and the balance from non-government or federal government sources. Of the operating revenue provided by the Ontario government, approximately 94 per cent is directly or indirectly enrolment- or student-related, and the balance is targeted to overhead, program adjustment, northern mission, and bilingualism costs.

Ontario Government  
77%



## Total Operating Grants to Ontario Universities and Other Related Postsecondary Institutions, 1988-89

	Total \$
Brock University	32,574,866
Carleton University	75,509,129
Guelph University	90,592,495
Lakehead University	28,523,632
Laurentian University	34,699,532
• Algoma	3,102,214
• Nipissing	6,029,250
• Hearst	1,074,668
McMaster University	99,514,761
University of Ottawa	129,205,535
Queen's University	103,615,292
University of Toronto	330,140,748
<b>Total</b>	<b>1,553,076,208</b>

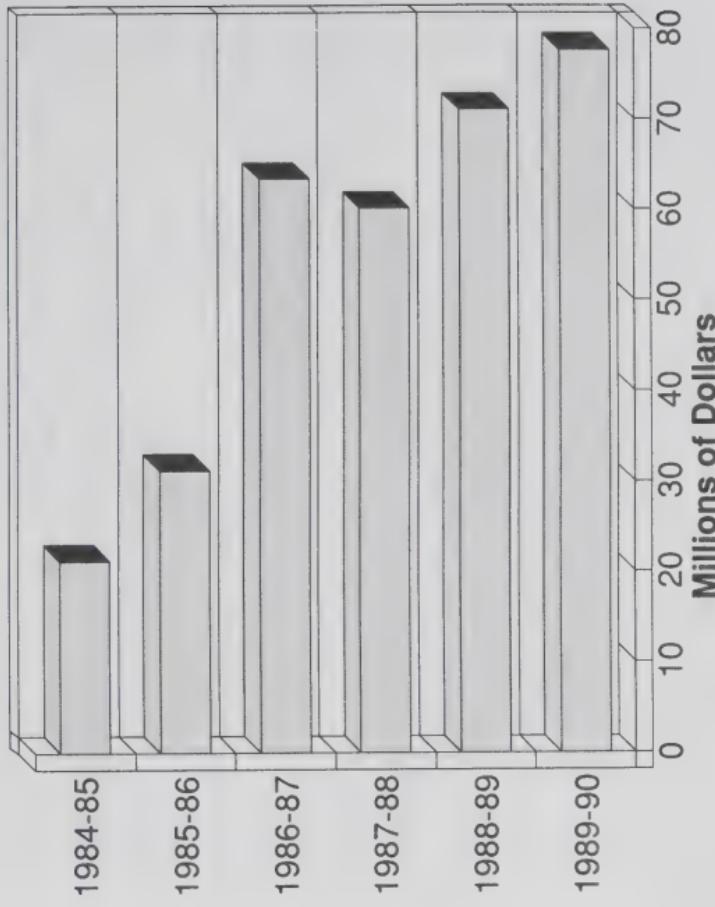
\* Collège dominicain receives 50% provincial support.

## Total Capital Grants to Ontario's University System

In 1984-85, total capital funding for universities amounted to \$21.2 million. In 1985-86, the year the present government took office, capital funding was increased by \$10 million to \$31.2 million. In 1986-87, university capital funding was doubled to \$63.4 million. This increased level of funding was continued in 1988-89 with an actual university capital allocation of \$71.1 million. The level of support in 1989-90 is \$77.7 million.

### Total Capital Funding

1984-85	21,218,000
1985-86	31,237,000
1986-87	63,429,000
1987-88	60,200,000
1988-89	71,100,000
1989-90	\$77,700,000



## Government Agencies

### Ontario Council on University Affairs

Established in 1974, the Ontario Council on University Affairs (OCUA) advises the Minister of Colleges and Universities and the Ontario government on funding requirements, allocation of funds, graduate and professional program approval, Ontario Graduate Scholarship funding, and any other matters pertaining to the university system. OCUA acts as a buffer between government and the 15 provincially assisted universities, Ryerson Polytechnical Institute, the Ontario College of Art, and the Ontario Institute for Studies in Education. The council is composed of a full-time chairman and 19 others who serve on a part-time basis.

### Ontario Council of Regents

The Ontario Council of Regents for Colleges of Applied Arts and Technology advises the Minister of Colleges and Universities on ways to promote and encourage the well-being and effectiveness of Ontario's system of colleges of applied arts and technology. The 17-member Council of Regents also has

executive authority to appoint governors to the boards of the colleges and legislative responsibility for collective bargaining, on behalf of the 23 college boards, with faculty and support staff.

### Council for Franco-Ontarian Education

The Council advises the Minister of Education and the Minister of Colleges and Universities on all matters concerning the education of Franco-Ontarians at the elementary, secondary, and postsecondary levels.

### College Relations Commission

The College Relations Commission is a five-person commission that monitors and provides assistance in collective bargaining in the colleges. Negotiations occur between the Ontario Council of Regents and college academic and support staffs. The Commission also appoints fact-finders and mediators and supervises union voting.

## Total Financial Assistance to Students, 1988-89

As of June 14, 1989, 100,027 students had been issued a total of \$388,150,502 from the three largest Ontario Student Assistance Plan (OSAP) programs:

- Ontario Study Grant \$157,341,540
- Canada Student Loan \$198,388,956
- Ontario Student Loan \$32,420,006

In addition, OSAP provided assistance of \$1,542,540 through the Ontario Special Bursaries Plan and \$976,590 through the Ontario Work-Study Plan. The Student Awards Branch also maintains several programs besides the Ontario Student Assistance Program. These programs, and the amounts awarded thus far in 1988-89 are shown below:

	1988/89	Actual \$	1988/89
	Budgeted \$	5,000	5,000
Aird Scholarship			
Bursary Program for Teachers in French-Language Instructional Units	100,000	78,663	
Fellowships for Studying in French	950,000	916,000	
John Charles Polanyi Prizes	75,000	75,000	
Ont. Graduate Scholarships	10,970,000	10,733,415	
Ont.-Que. Exchange Fellowship	76,000	80,000	
Queen Elizabeth II Scholarships	54,000	54,000	
Sir John A. MacDonald Graduate Fellowship in Canadian History	25,500	25,500	
Teachers' Summer Bursary Program	659,000	633,196	
William G. Davis Scholarship	2,000	2,000	
<b>Total</b>			<b>12,602,774</b>

## Research in Ontario's University System

### Policy

One of the major missions of the universities is to conduct basic and applied research. Ministry policies and programs have been established to help the universities maintain a strong research base, encourage research excellence, encourage university/industry co-operation and support the training of highly qualified personnel. The direct funding of basic research at the universities is primarily the responsibility of the federal government which is exercised through the three principal granting Councils (the Social Sciences and Humanities Research Council, the Natural Sciences and Engineering Research Council, and the Medical Research Council). The provincial government also develops specific targeted programs in response to needs and opportunities identified by government, industry, and the research community. Examples of the types of initiatives undertaken by the Ministry of Colleges and Universities are support for basic and applied research, funding a portion of the indirect cost of research,

programs to support university/industry co-operation, the establishment of centres of excellence, and support of entrepreneurial activities.

### University Research Incentive Fund (URIF)

Through the University Research Incentive Fund (URIF) the ministry supports research projects at Ontario universities that have received funding from the private sector. The ministry will match the corporate dollars committed to university-based contract research.

The funding commitment is \$50 million over six years.

As of November 1, 1989, 372 projects have been assisted by URIF with a financial commitment from the Ontario Government of \$29 million.

## **Centres of Excellence**

The program was created in 1986 by the Premier's Council, and is funded from the Technology Fund and administered by the Ministry of Industry, Trade and Technology, in consultation with the Ministry of Colleges and Universities. Its three major objectives are to stimulate advanced research, to train and develop skilled researchers, and to encourage the transfer and diffusion of technology to industry. Each centre consists of a network of internationally renowned scientists from various universities who are committed to working together on a common program of fundamental research in collaboration with industry. Seven centres were established following a competition and the total funding committed over five years amounts to \$204 million. The centres are: the Ontario Laser and Lightwave Centre, the Institute for Space and Terrestrial Science, the Manufacturing Research Corporation of Ontario, the Waterloo Centre for Groundwater Research, the Information Technology Research Centre, the Ontario Centre for Materials Research, and the Telecommunications Research Institute of Ontario. Funding may be extended beyond the first five years

following an independent review of the centres conducted in 1992.

For further information contact the Premier's Council Technology Fund at (416) 963-3721.

## Centres of Entrepreneurship

Six Centres of Entrepreneurship have been established in colleges and universities across the province. The centres provide a focal point for entrepreneurship education and training on campus and in the community. They offer training courses in innovation and enterprise, and develop curriculum materials. The centres also stimulate research into entrepreneurial strategies and areas with potential for development by entrepreneurs.

four-year period. Centres of Entrepreneurship have been established at Canadore College/Nipissing College; Queen's University/ St. Lawrence College/Loyalist College; Centennial College; Lakehead University/Confederation College; York University; and Ryerson Polytechnical Institute.

Administered by the Ministry of Colleges and Universities, the entrepreneurship program has funding of \$3.6 million over a four-year period. The six centres can receive government grants on a three-to-one ratio against matching private-sector contributions. Although funding is guaranteed for four years, it is predicated on satisfactory performance, which is monitored continually by the Centres of Entrepreneurship Advisory Committee. The Committee will also evaluate the centres after they have been in operation for two years and at the end of the

## International Education

### Policy

International students are accepted in Ontario colleges and universities using the same criteria as those applied to Ontario residents. In the colleges, the fall 1987 full-time enrolment of international students was 983. In the fall of 1988, there were 11,025 international students enrolled in full- and part-time programs in Ontario universities. (Figures are not available for college part-time enrolment.)

The Ministry of Colleges and Universities is providing \$6 million over a five-year period (1988-93) to establish the Ontario Centre for International Business and a \$2.9-million grant over a five-year period (1989-94) to enhance the Centre for International Studies at the University of Toronto. Now in its fourth year of operation, the Ontario-Jiangsu Educational Exchange will continue to receive close to \$1 million in funding from the ministry over the next three years (1989-92). The policy of the Ontario government is that international students should pay a higher proportion of the cost of their

education than Canadian students do. There are certain exemptions from the higher fee. Of particular note for international graduate students is a program to exempt 1,000 highly qualified students from the higher fee.

To apply for admission to an undergraduate program in an Ontario university, the international student should direct requests to:

The Ontario Universities' Application Centre  
P.O. Box 1328  
Guelph, Ontario  
Canada N1H 7P4

To apply for admission to a graduate program in an Ontario university or to a postsecondary program at a college, the international student should request information directly from the institution.

## Canadian and International Student Enrolment in Colleges of Applied Arts and Technology, 1987

Major Field of Study	Canadian Citizens	Landed Immigrant	Student Visa	Other	Status		Total
					Unknown	Unavailable	
Technology	18,195	1,100	368	32	510	0	20,205
Business	31,392	1,723	398	46	1,279	2	34,840
Applied Arts	25,167	849	115	7	1,259	0	27,397
Health	12,224	577	9	3	213	0	13,026
<b>Total</b>	<b>86,978</b>	<b>4,249</b>	<b>890</b>	<b>88</b>	<b>3,261</b>	<b>2</b>	<b>95,468</b>

## Canadian and International Student Enrollment in Ontario Universities, 1988

Major Field of Study	Canadian Citizen	Permanent Resident	Student Visa	Other Visa	Status		Total
					Unknown	Total	
General Arts & Science	13,153	1,047	398	72	—	—	14,670
Interdisciplinary Studies	10	1	—	—	—	—	11
General Arts	19,528	704	286	45	—	—	20,563
General Science	5,688	292	163	12	—	—	6,155
Education/Recreation/Phys. Ed.	26,958	664	184	20	—	—	27,826
Fine & Applied Arts	10,502	689	166	26	—	—	11,383
Humanities and Related	29,748	1,507	910	103	1	1	32,269
Social Sciences	84,707	4,284	3,077	260	—	—	92,328
Agricultural/Biological Sciences	14,012	826	495	43	—	—	15,376
Engineering/Applied Science	15,901	1,944	1,592	91	2	2	19,530
Health Professions/Occupations	13,910	786	502	111	—	—	15,309
Mathematics/Physical Sciences	13,293	1,522	1,779	91	3	3	16,688
Not Applicable/None	28,103	1,895	379	203	4	4	30,584
Not Reported	1,008	30	15	2	—	—	1,055
<b>Total</b>	<b>276,521</b>	<b>16,191</b>	<b>9,946</b>	<b>1,079</b>	<b>10</b>	<b>10</b>	<b>303,747</b>

SOURCE: USIS/UAR historical profile

## Ministry of Colleges and Universities Distribution of 1988-89 Actual Expenditures

	Actual \$	Per cent
Administration:	24,036,590	.9%
Transfer Payments:		
• Universities	1,703,746,837	63.9%
• Colleges	725,094,262	27.2%
• Student Support	185,163,933	6.9%
• Other	<u>30,059,581</u>	1.1%
		99.1%
<b>Total Budget</b>	<b>2,668,101,205</b>	<b>100.0%</b>



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